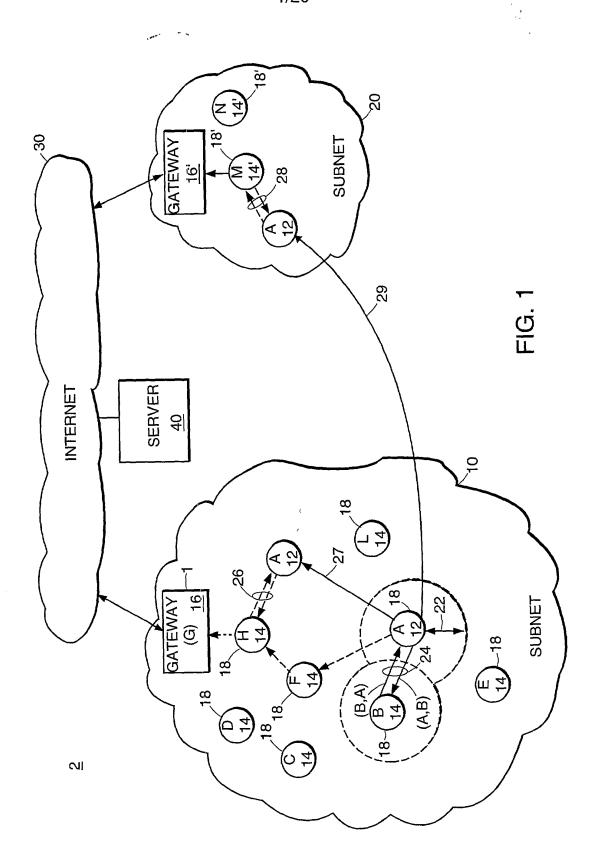
Title. A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.

Serial No. 09/728,020

Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

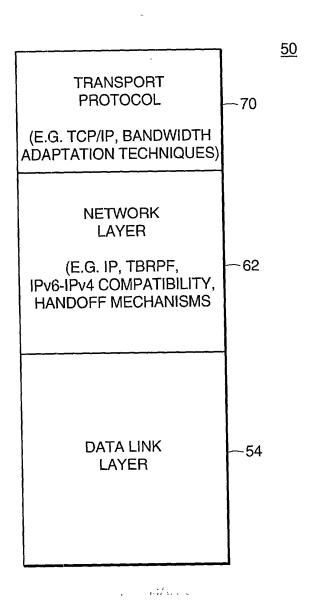
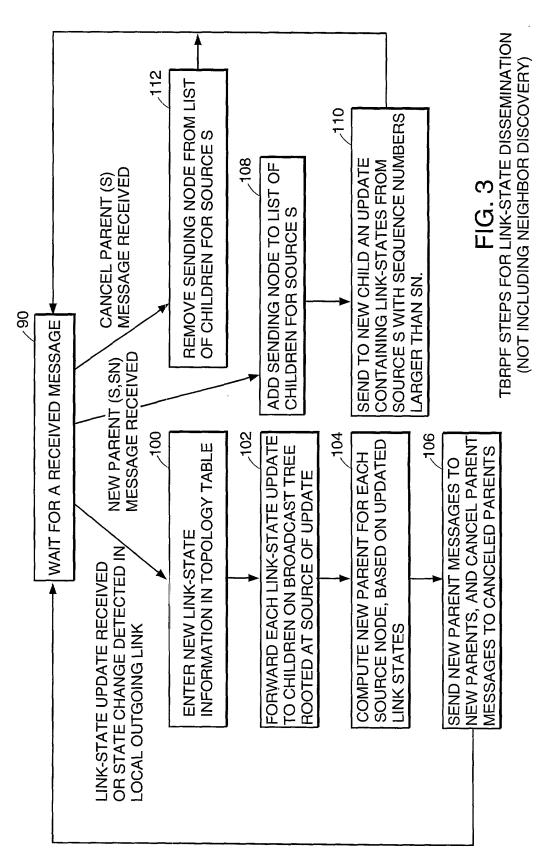


FIG. 2

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Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

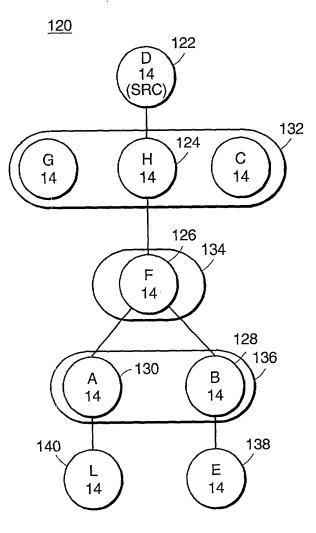
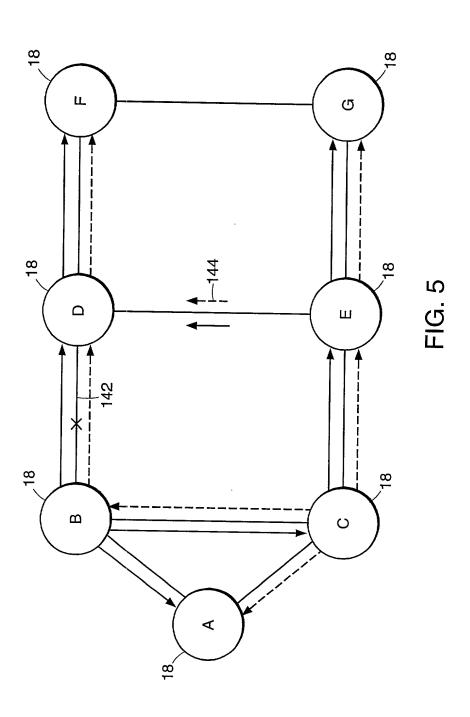


FIG. 4

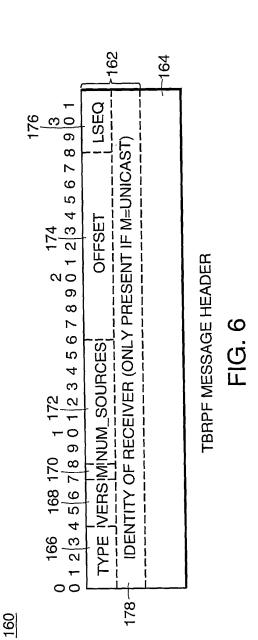
Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

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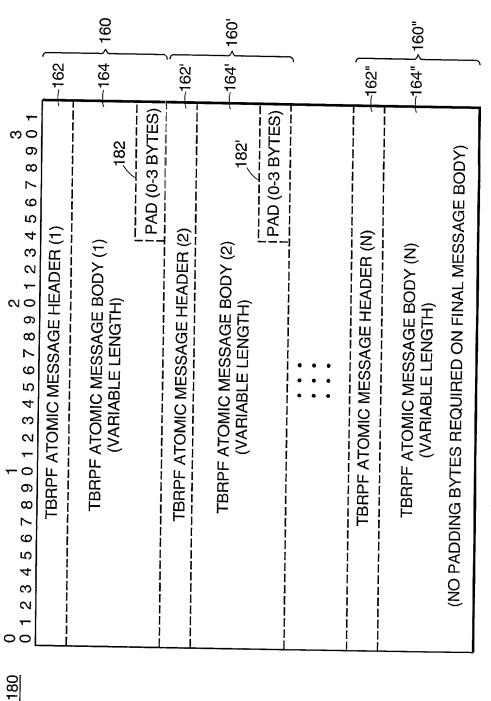


Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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(A COMPOUND TBRPF MESSAGE)

<u>Е</u>

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<u>186</u>					
	0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8	3 9 0 1			
	IDENTITY FOR SRC(1)	188			
	IDENTITY FOR SRC(2)	<u>188'</u>			
***					
	IDENTITY FOR SRC(M)	<u> 188"</u>			
	SEQUENCE NUMBER FOR SRC (1)   SEQUENCE NUMBER FOR S	RC (2)			
	SEQUENCE NUMBER FOR SRC (3) SEQUENCE NUMBER FOR S	RC (4)			
ĺ	•••				
	SEQUENCE NUMBER FOR SRC (M-1) SEQUENCE NUMBER FOR S	RC (M)			

## NEW PARENT MESSAGE FIG. 8A

SEQUENCE NUMBER FOR SRC (M-2) SEQUENCE NUMBER FOR SRC (M-1)
SEQUENCE NUMBER FOR SRC (M)

SHOWS AN ALTERNATIVE ENDING THE NEW PARENT MESSAGE FIG. 8B

. .

M. M. Will Hand There threst chieft short chieft house that it į.

Title. A System And Method For Disseminating
Topology And Link-State Information To
Routing Nodes In A Mobile Ad Hoc Network
Inventors: Ogier et al.
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Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

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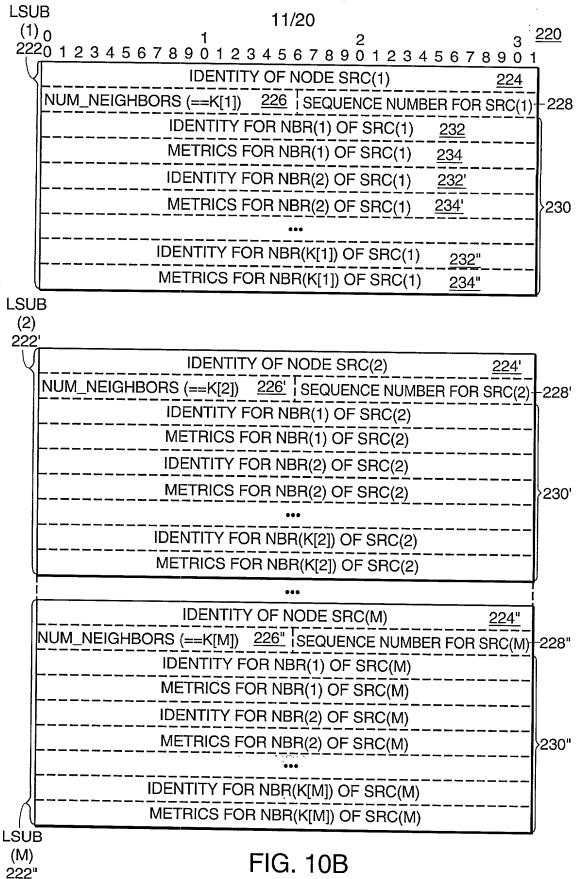
	<u>194</u>
$\begin{smallmatrix}0&&&1&&&2\\0&1&2&3&4&5&6&7&8&9&0&1&2&3&4&5&6&7&8&9&0&1&2&3\end{smallmatrix}$	3
IDENTITY FOR SRC(1)	196
IDENTITY FOR SRC(2)	<u>196'</u>
•••	
IDENTITY FOR SRC(M)	<u>196"</u>

CANCEL\_PARENT MESSAGE FIG. 9

Title: A System And Method For Disseminating
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Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4	3
IDENTITY OF NODE SRC(1)	
NUM_NEIGHBORS (==K[1]) 204   RESERV	<u>202</u>
IDENTITY FOR NBR(1) OF SRC(1)	
LINK METRICS FOR NBR(1) 212 SEQUENCE # FOR	
	208'
LINK METRICS FOR NBR(2) 212' SEQUENCE # FOR	SRC(1), NBR(2) 206
•••	210'
IDENTITY FOR NBR(K[1]) OF SRC(1)	
LINK METRICS FOR NBR(K) 212"   SEQUENCE # FOR	SBC(1) NBB(K) 210"
LSUA	O110(1), ND11(11) 1210
(1)	
200 LSUA	
(2)	
200'	
IDENTITY OF NODE SRC(2)	202'
NUM_NEIGHBORS (==K[2]) 204' RESERV	ED
IDENTITY FOR NBR(1) OF SRC(2)	
LINK METRICS FOR NBR(1) SEQUENCE # FOR	SRC(2), NBR(1)
•••	206'
IDENTITY FOR NBR(K[M-1]) OF SRC(M-1	)
LINK METRICS FOR NBR(K[M-1]) SEQUENCE # FOR SRO	C(M), NBR(K[M-1])
•••	ļ
IDENTITY OF NODE SRC(M)	<u>202"</u>
NUM_NEIGHBORS (==K[M]) 204" RESERVI	ED
IDENTITY FOR NBR(1) OF SRC(M)	
LINK METRICS FOR NBR(1) SEQUENCE # FOR S	SRC(M), NBR(1)
•••	206"
IDENTITY FOR NBR(K[M]) OF SRC(M)	
LINK METRICS FOR NBR(K[M])   SEQUENCE # FOR SR	C(M), NBR(K[M])
LSUA	
(M) 200" FIG. 10A	

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176'
0 166' 168' 170' 1 172' 2 174' 3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9

TYPE VERSIMINUM\_SOURCES OFFSET LSEQ

COMPOUND MESSAGE 180'

<u>240</u>

RETRANSMISSION\_OF\_BROADCAST MESSAGE FIG. 11

to dirth, morg, morg, givey, givey, seven, gevey, givey, givey, give, gi

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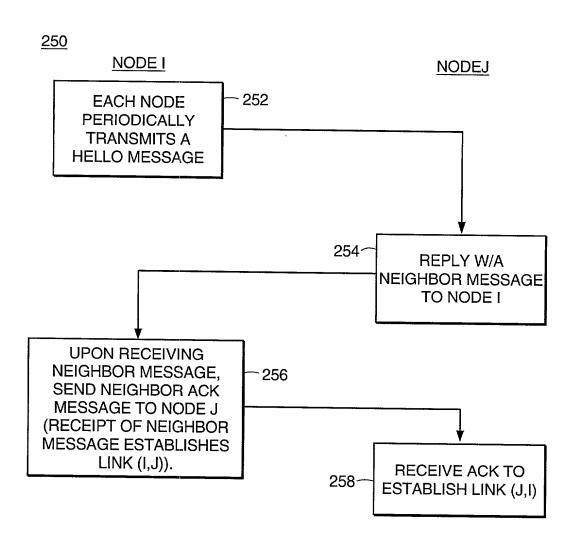


FIG. 12

Itle: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
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Atty Docket No. SRI-009B
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<u>260</u>		
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7	3 8 9 0 1	
274 H/W ADDRES SPACE 278 PROTOCOL ADDRESS	SPACE	~280
H/W LEN (=N) PROTO LEN (=M) TYPE 262 BCAS	T SEQ#	-264
276 SENDER HARDWARE ADDRESS (M BYTES)	<u>266</u>	
SENDER PROTOCOL ADDRESS (N BYTES)	<u>268</u>	
TARGET HARDWARE ADDRESS (M BYTES)	<u>270</u>	
TARGET PROTOCOL ADDRESS (N BYTES)	<u>272</u>	

FIG. 13

33 36 41

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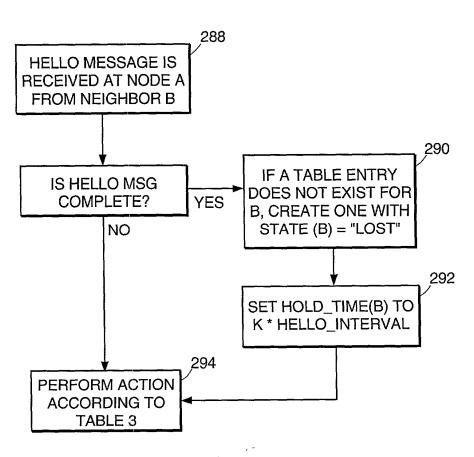
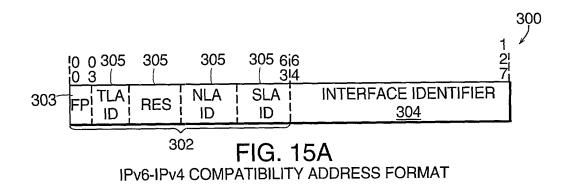
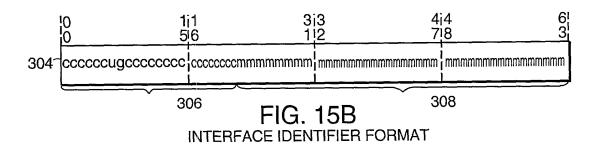
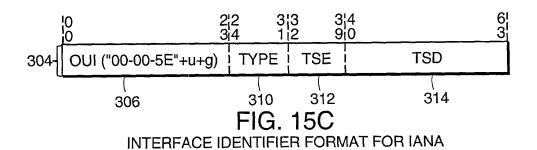


FIG. 14

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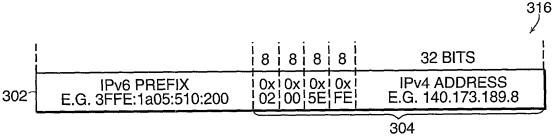
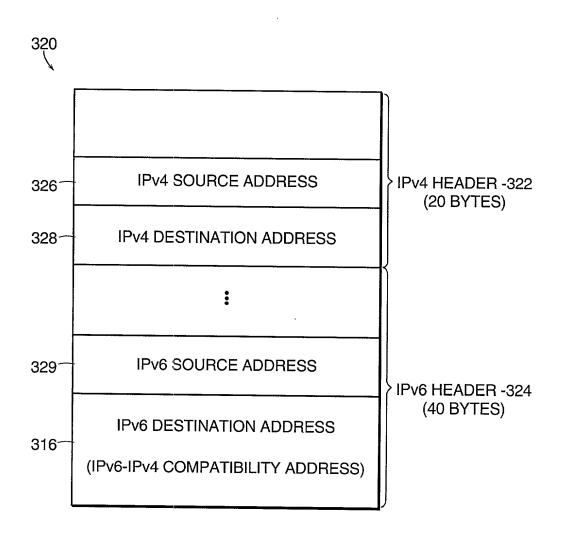


FIG. 15D

IPv6-IPv4 COMPATIBILITY ADDRESS

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THE STATE

FIG. 15E

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

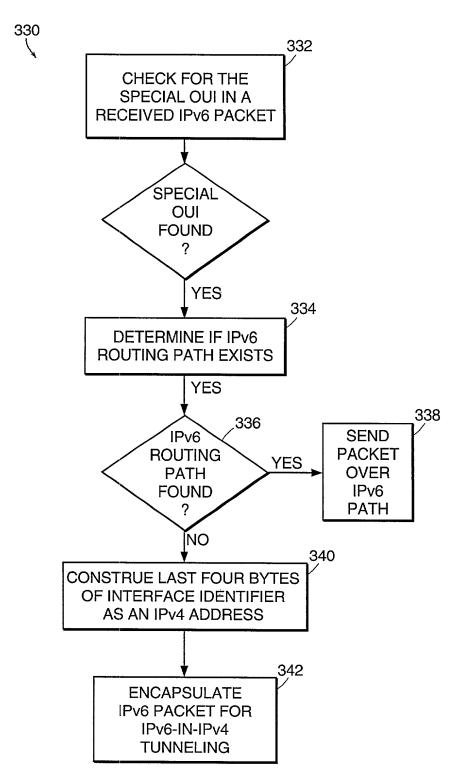
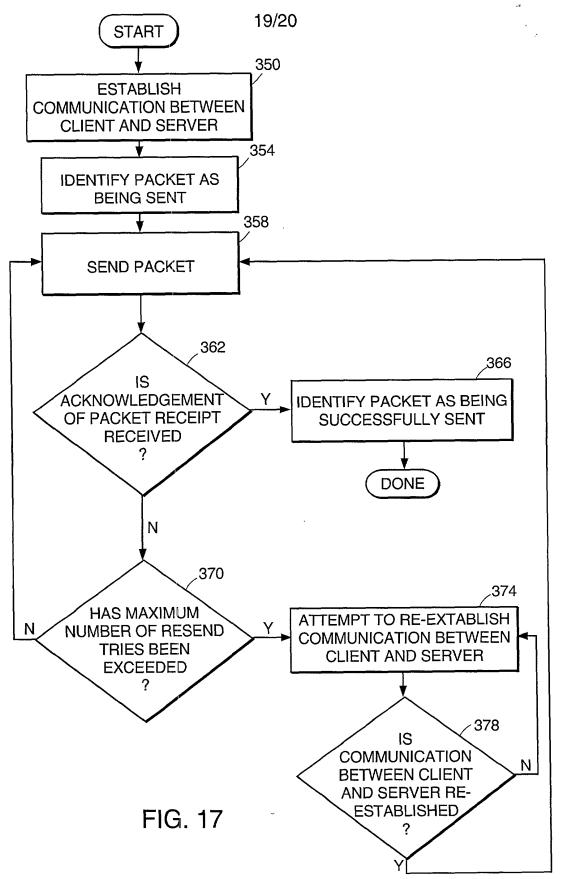


FIG. 16

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



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Atty/Agent: Michael A. Rodriguez

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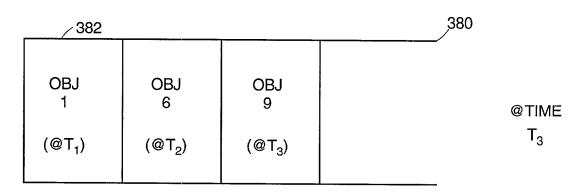


FIG. 18A

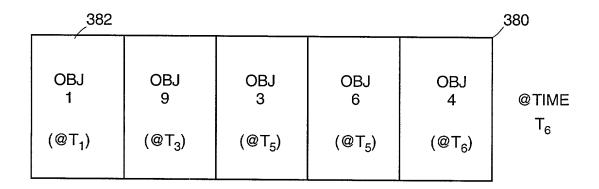


FIG. 18B

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